

Message

From: Schulman, Michael [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=35D7024F00644B3D8B5DBA4940506834-SCHULMAN, M]
Sent: 7/15/2021 4:02:01 PM
To: PerezSullivan, Margot [PerezSullivan.Margot@epa.gov]; Poalinelli, Edwin [POALINELLI.EDWIN@EPA.GOV]; Ty, Fatima [Ty.Fatima@epa.gov]; Rebekah Reynolds (Reynolds.Rebekah@epa.gov) [Reynolds.Rebekah@epa.gov]
Subject: RE: Questions about TRW Microwave
Attachments: OEHHA TCE in Indoor Air Risk Fact Sheet, 2018.pdf

I revised the second paragraph below:

DRAFT:

The May 2015 indoor air testing was reported in a June 2015 report available on the EPA TRW Microwave website here: <https://semspub.epa.gov/src/document/09/1158562>.

Your inline screenshot below is from the 1991 Record of Decision for the site, which shows the maximum detected soil concentrations for ethylbenzene at 2 milligram per kilogram (mg/kg) and for toluene at 3 mg/kg. These relatively low soil chemicals concentrations are not documented in the Record of Decision as chemicals of concern. The concentration values are from 30 years ago and during that time the contaminated soil has been removed. ~~The reported ethylbenzene and toluene concentrations are also less than current EPA commercial health risk based screening values.~~ Consistent with the Record of Decision, EPA does not believe the two constituents are chemicals of concern for the site.

EPA's mission is to protect human health and the environment. We appreciate your concerns for your health. EPA's risk screening values are conservative to be protective of human health. For your reference, the attached California Environmental Protection Agency Office of Environmental Health Hazard Assessment has adopted EPA Region 9's screening values for TCE, which are well presented in the attached file. TCE is the primary chemical of concern for the site and since 2013, subsequent to the remedial actions taken at the building, TCE indoor air sample results have been less than EPA's applicable health risk screening values.

From: Schulman, Michael
Sent: Wednesday, July 14, 2021 6:20 PM
To: PerezSullivan, Margot <PerezSullivan.Margot@epa.gov>; Poalinelli, Edwin <POALINELLI.EDWIN@EPA.GOV>; Ty, Fatima <Ty.Fatima@epa.gov>; Rebekah Reynolds (Reynolds.Rebekah@epa.gov) <Reynolds.Rebekah@epa.gov>
Subject: RE: Questions about TRW Microwave

Can you review my draft response? The last paragraph is obviously optional, but it may help Ashley in understanding the TCE screening values. Dan reviewed the attached fact sheet and didn't have issues w/it. I also reviewed current RSLs and the VISL calculator and left a msg for Dan to review my risk review. Note, I didn't include it in my response, but as reported, the at the request of EPA the May 2015 indoor air samples were targeted to be collected over a 10-hour period. Rebekah, let me know if you see any legal issue in how I cited the ROD and defined COCs.

DRAFT:

The May 2015 indoor air testing was reported in a June 2015 report available on the EPA TRW Microwave website here: <https://semspub.epa.gov/src/document/09/1158562>.

Your inline screenshot below is from the 1991 Record of Decision for the site, which shows the maximum detected soil concentrations for ethylbenzene at 2 milligram per kilogram (mg/kg) and for toluene at 3 mg/kg. These relatively low soil chemicals concentrations are not documented in the Record of Decision as chemicals of concern. The concentration values are from 30 years ago and during that time the soil has been remediated. The reported ethylbenzene and toluene concentrations are also less than current EPA commercial health risk-based screening values. Consistent with the Record of Decision, EPA does not believe the two constituents are chemicals of concern for the site.

EPA's mission is to protect human health and the environment. We appreciate your concerns for your health. EPA's risk screening values are conservative to be protective of human health. For your reference, the attached California Environmental Protection Agency Office of Environmental Health Hazard Assessment has adopted EPA Region 9's screening values for TCE, which are well presented in the attached file. TCE is the primary chemical of concern for the site. At no time since 2013, subsequent to the remedial actions taken at the building, have TCE indoor air sampling results exceeded EPA's health risk screening values.

FOR REFERENCE ONLY, SCREENSHOT ASHLEY EMBEDDED:

**TABLE 4
AMD 901, SIGNETICS, TRW DATA SUMMARY**

Chemical	CRAVE	GROUNDWATER		SOIL	
		Max Value (ug/l)	#Det/#Anal	Max Value (ug/kg)	#Det/#Anal
Antimony		120	6/13	12	3/6
Arsenic	A	40	7/13	4.6	4/6
Barium	D	100	2/5	300	6/6
Benzene	A	NS	NA	4,000	1/5
Cadmium	B1	38	4/13	6.9	4/7
Chloroform	B2	140	12/316	7	3/14
Chromium(Total)	A ¹	160	7/13	59	11/11
Copper	D	97	7/13	190	7/7
1,2-Dichlorobenzene	D	330	17/76	240,000	11/14
1,1-Dichloroethane	B2	600	25/356	NS	NA
1,1-Dichloroethene	C	760	49/356	NS	NA
cis-1,2-Dichloroethane	D	8000	104/154	440	11/14
trans-1,2-Dichloroethane	D	1800	11/154	73	1/14
Ethylbenzene	D	NS	NA	2,000	1/5
Freon 113	D	78,000	209/356	NS	NA
Lead	B2	710	8/13	66	5/7
Methylene Chloride	B2	520	1/76	26	4/10
Nickel	D	280	9/13	250	7/7
Silver	D	24	3/13	NS	NA
Tetrachloroethane	B2	610	88/670	35,000	11/31
Thallium	D	160	8/13	3.8	2/6
Toluene	D	NS	NA	3,000	1/5
1,1,1-Trichloroethane	D	1,000	144/670	NS	NA
Trichloroethane	B2	290,000	618/670	80,000	23/31
Trichlorofluoromethane	D	1.2	4/126	NS	NA
Vinyl Chloride	A	32,000	67/670	ND	0/5
Xylenes	D	NS	NA	4,000	1/5
Zinc	E	1,100	10/13	67	7/7

NS = Not Sampled
 NA = Not Applicable
 A = Known Human Carcinogens
 B1 = Probable Human Carcinogen (limited human evidence, adequate evidence from animals)
 B2 = Probable Human Carcinogen (inadequate human evidence, adequate evidence from animals)
 C = Possible Human Carcinogen (limited evidence of carcinogenicity, animal studies only)
 D = Not Classified as to Human Carcinogenicity (inadequate animal and human data or no data)
 E = Not a Human Carcinogen (adequate evidence of non-carcinogenicity in adequate animal or human studies)

¹ Chromium VI inhalation only

FOR REFERENCE ONLY, EPA RSLs

Contaminant	RSLs / Screening Levels										Protection of Ground Water SSLs			
Analyte	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m³)	key	Industrial Air (ug/m³)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
Ethylbenzene	5.8	c	25	c	1.1	c	4.9	c	1.5	c	700	0.0017	c	0.78
Toluene	4,900	ns	47,000	ns	5,200	n	22,000	n	1,100	n	1,000	0.76	n	0.69

Michael

From: PerezSullivan, Margot <PerezSullivan.Margot@epa.gov>
Sent: Monday, July 12, 2021 9:57 AM
To: Poalinelli, Edwin <POALINELLI.EDWIN@EPA.GOV>
Cc: Schulman, Michael <Schulman.Michael@epa.gov>; Ty, Fatima <Ty.Fatima@epa.gov>
Subject: Re: Questions about TRW Microwave

4:30 works for me.

Margot Perez-Sullivan
U.S. Environmental Protection Agency
D: [415.947.4149](tel:415.947.4149) C: [415.412.1115](tel:415.412.1115)
E: perezsullivan.margot@epa.gov

On Jul 12, 2021, at 9:37 AM, Poalinelli, Edwin <POALINELLI.EDWIN@epa.gov> wrote:

Fatima and Margot,

Can you do 4:30pm today or should I look for time tomorrow?

Thanks

Edwin "Chip" Poalinelli
Section Manager - California Site Cleanup Section I
Superfund and Emergency Management Division U.S. EPA Region 9
75 Hawthorne Street
San Francisco, CA 94105
415-972-3390
415-301-1573 (cell)
poalinelli.edwin@epa.gov

-----Original Appointment-----

From: Schulman, Michael <Schulman.Michael@epa.gov>
Sent: Monday, July 12, 2021 9:14 AM
To: Poalinelli, Edwin
Cc: Ty, Fatima; PerezSullivan, Margot
Subject: New Time Proposed: Questions about TRW Microwave
When: Monday, July 12, 2021 3:00 PM-3:30 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

Can we change this time to 4:30 today? I have HAZWOPER training today. It is scheduled until 5pm; however, the instructor said it would end a 4:30. I am also available after 5 pm.

Michael